: SADDLE FITTING, FWD (OUTBOARD/INBOARD)

Qty:

Each

Tuesday, 10/06/2008 3:14:34 PM

User:

Julie Lecoca

### **Process Sheet**

**Drawing Name** 

**Part Number** 

Material

**Due Date** 

**Drawing Number** 

**Project Number** 

**Drawing Revision** 

: D2571

: N/A

: E

: D2571 REV E

: 30/06/2008

Customer

: CU-DAR001 Dart Helicopters Services

Type

S.O. No. :

Job Number **Estimate Number** 

: 39806 : 10530

P.O. Number

This Issue

: 10/06/2008

: NC

Prsht Rev. : // First Issue

: 39122 **Previous Run** 

Written By

Comment

Checked & Approved By

Re-format; Change to Dwg Rev. D &

: MACHINED PARTS

incorporated D2572KJ

**Additional Product** 

Job Number:



Seq. #:

**Machine Or Operation:** 

Description: Saddle Billet

1.0

D6101007



1.0000 Each(s)/Unit Total:

8.0000 Each(s)

7075-T7351 8.25X7.75X2.5

Make from D6101-007 billet for D2571

Ensure that grain is along 7.75" length

Batch No: B 34875

HAAS1 2.0

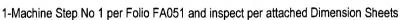
Comment: Qtv.:

HAAS CNC VERTICAL MACHINING #



Comment: HAAS CNC VERTICAL MACHINING #1

Program Batch No. 39806 Double check by: D



- 2-Machine Step No 2 per Folio FA051 and inspect per attached Dimension Sheets
- 3-Machine Step No 3 per Folio FA051 and inspect per attached Dimension Sheets
- 4-Deburr and remove all machining marks
- 5-Tumble to remove sharp edges.

CONVENTIONAL MILLING MA

3.0

MILLING CONV

Comment: CONVENTIONAL MILLING MACHINE Machine keyway as pér dwg D2571 & D2572

QC2

INSPECT PARTS AS THEY

4.0



Comment: INSPECT PARTS AS THEY COME OFF MACHINE

## **Dart Aerospace Ltd**

W/O: WORK ORDER CHANGES								
DATE	STEP	PROCEDURE CHANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
			6	٠				
-								
,								

Part No: <u>D</u> 2571	PAR #: NA	Fault Category: Prod	Machined TOUBNER: (Yes	No DQA:	Date: 08/07/1
F419.749					Date: <u>\\\\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\</u>

NCR: ろ	1806	W	ORK OR	DER NON-CONFORMANCE	E (NCR)			
DATE STEP		Description of NC Section A	Initial	Corrective Action Section B Action Description	Verification Section C	Approval Chief Eng	Approval QC Inspector	
1-1/18	2	I part saddle lifted while machining causing vibrations	Chief Eng	Chief Eng	Sign & Date		als.	QO INSPECTOR
Philos	Ø	on 4th alxis, so dimension 2.362 t.010 is .345 to .355	व्यक्तिव्य	SCRAP PART GOB. 07.08 Destru and Replace B# 34878	08/04/08	08/07/08	040468	000000
		to show wear (it mg.)		replace 10- 370 P3				00.
								,
		·						

NOTE: Date & initial all entries

ruesday, 10/06/2008 3:14:34 PM Date: Úser: Julie Lecoca **Process Sheet** Customer: CU-DAR001 Dart Helicopters Services Drawing Name: SADDLE FITTING, FWD (OUTBOARD/INBOARD) Job Number: 39806 Part Number: D2571 Job Number: Seq. #: Description: **Machine Or Operation:** SECOND CHECK 5.0 QC8 Comment: SECOND CHECK HAND FINISHING1 HAND FINISHING RESOURCE #1 6.0 Comment: HAND FINISHING RESOURCE #1 Acid etch and Alodine as per QSI 005 4.1 7.0 POWDER COATING 107925 Comment: POWDER COATING Powder Coat White Gloss (Ref. 4.3.5.1) as per QSI 005 4.3 START TIME: OVEN TEMPERATURE: FINISH TIME: QC3 INSPECT POWDER COAT/CHEMICAL CONVERSION 8.0 Comment: INSPECT POWDER COAT PACKAGING RESOURCE # 9.0 PACKAGING 1 Comment: PACKAGING RESOURCE #1 Identify and Stock Location: 10.0 QC21 08/07/16 H Comment: FINAL INSPECTION/W/O RELEASE Job Completion

# Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES									
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector				
g	•			•							

Part No:	PAR #:	Fault Category:	NCR: Yes No DQA:	Date:
	•		QA: N/C Closed:	Date:

NCR:		WORK ORDER NON-CONFORMANCE (NCR)								
		Description of NC		Corrective Action Section B		Verification	Approval	Amproval		
DATE	STEP	Section A	Initial Chief Eng				Approval Chief Eng	Approval QC Inspector		
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NOTE: Date & initial all entries

DART AEROSPACE LTD	Work Order:	'3980G
Description: Saddle, Fwd Outboard	Part Number:	D2571
Inspection Dwg: D2571 Rev. E		Page 1 of 1

				Re	corded Actu	ıal Dimensi	ons		2
Dim	Min	Max	Go/No Go Gauge	1	2	3	4	Ву	Date
Α	0.438	0.443		,44b	-440	- 440	.440		
В	1.745	1.755		1.750	1.750	1.750	1.750		•
С	3.495	3.505		3.500	3.500	3.500	3.500		
D	1.745	1.755		1.750	1-750	1.750	1.750		
E	7.990	8.010		3.000	Soci	8.001	8.001		
F	0.490	0.510		.510	-501	499	.504		
G	0.257	0.262		.259	-259	-258	-25%		
Н	0.375	0.380		.378	.378	.378	.378		
	0.490	0.510		.500	500	500	. 500		
J	1.174	1.184		1.186	1.180	1.179	1.179		
K	0.558	0.578		.57.8	.569	.567	.568		
L	1.174	1.184		1.486	1.780	1.179	1.179		1
М	1.490	~1.500		1.498	1.499	1.495	1.495	-1-	
N	2.495	2.505		2.499	2,500	2.500	2.500		
0	3.869	3.879		3.872	3,873	3.874	3.874		
Р	0.115	0.135		.124	125	122	·/23		
Q	0.115	0.135		135	. 135	.135	135		
R.	0.240	0.260		.290	.250	-249	- 248		
S	0.115	0.135		.735	129	127	725		1
T	0.178	0.198		1.183	- 188	:188	188		
U	2.940	2.980		2.958	2,960	2.960	2960		
V	0.230	0.250		-236	,236	240	,239		
W	0.115	0.135		.124	120	:124	- 126		
X	0.308	0.313		3/0	.310	-3(0	.310		
Y	0.760	0.765		-760	-760	-760	.760		
Z	0.352	0.372		.359	.364	-363	.362		
AA	0.470	0.530		.500	500	500	.500		
AB	0.615	0.635		1.631	-626	-627	.630		
AC	0.053	0.073		.063	.063	-063	.063		
AD	0.240	0.260		.240	245	.250	, 249		
ΑE	1.375	1.395		1,388	1.388	1387	1.388		
AF	0.115	0.135		. 126	. /3/	.125	.125		
AG	0.240	0.280		.260	.260	- 260	-260		
AH	0.240	0.260		.247	246	.250	7,249		
ΑI	2.000	2.020		2.002	2.000	2-000	2.000		
AJ	0.023	0.043		.033	£633'	.033	.033		
	Acc	ept/Reje	ct						

Measured by: % 51 Audited by Date: 08/07/10 Date: 08/07/10

Rev	Date	Change		Revised by	Approved
Α		New Issue		RF	
В	02.09.24	Re-format; Added Rev. D		KJ	
С	02.10.11	Re-format; Added DT8682, DT8683, DT8684		KJ	
D	05.05.05	Added dimension Al		KJ/RF	1
Е	05.12.05	Added dimension AJ	1	KJ/JLM A	
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Dart Ae	rospace	e Ltd								
<b>W</b> /O:			W	ORK ORDER CI	HANGES					
DATE	STEP	PROCEDURE CHANGE				Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approva QC Inspecto
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		101								
Part No	:	PAR #:	_ Fault Cate	gory:	NC	R: Yes I	No DQ	<b>\</b> :	_ Date: _	
		· · · · · · · · · · · · · · · · · · ·		•		QA: N/	C Closed	d:	_ Date: _	
NCR:		* * * * * <b>W</b>	ORK ORD	ER NON-CONF	ORMANCE	E (NCR	)			
DATE	OTED	Description of NC	Corrective Action Section		Section B		Verific	ation	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Descr Chief Eng	ption	Sign & Date	Section		Chief Eng	QC Inspecto
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NOTE: Date & initial all entries

DART AEROSPACE LTD	Work Order:	39806
	•	, , , , , , , , , , , , , , , , , , ,
Description: Saddle, Fwd Outboard	Part Number:	D2571
·		
Inspection Dwg: D2571 Rev. E		Page 1 of 1

·			,	Recorded Actual Dimensions					
Dim	Min	Max	Go/No Go Gauge	1	2	3	4	Ву	Date
Α	0.438	0.443		1440	.440	440	440		
В	1.745	1.755		1250	1,750	1.750	1.750		
С	3.495	3.505		3.500	3,506	3,506	3 500		
D	1.745	1.755		1.750	1,750	1.750	1.750		
E	7.990	8.010		8.000	8,000	8.000	8.000		
F	0.490	0.510		.502	.506	502	.506		
G	0.257	0.262		1260	-259	.259	.259		
Н	0.375	0.380		-378	.378	. 378	378		
l	0.490	0.510		.499		.499	,500		
J	1.174	1.184		1.179	1.179	1.179	1.180		
K	0.558	0.578		-566	.566	5/4	.567	- 1	
L	1.174	1.184		11.179	1.179	1.179	1.179		
M	1.490	1.500		1.494	1.495	1.496	1.493		
N	2.495	2.505		2,500	2,500	2.500	2,500	1	
0	3.869	3.879		3.876	3.873	3,872	3,874		
Р	0.115	0.135		.136	1.129	128	.129		
Q	0.115	0.135		1.135	. 135	. 135	.135		
R	0.240	0.260		1.257	257	.249	,250		
S	0.115	0.135		.130	./30	.131	131		
Т	0.178	0.198		188	. 188	. 188	. 183		
U	2.940	2.980		12.960	2966	2.960	17- "11/11/		
V	0.230	0.250		.232	1, 2,32	.236	1.236		
W	0.115	0.135		.124	, 125	.125	1.127		
Х	0.308	0.313	3)	309	.309	.369	309		
Υ	0.760	0.765		7/01	.760	.760	.7/00		
Z	0.352	0.372		362	.760	760	365		
AA	0.470	0.530		.500	1:506 a	.506	.500		
AB	0.615	0.635		.632	,630	.631	.634		
AC	0.053	0.073		.063	,063	,063	.063	1	
AD	0.240	0.260		246	.240	.244	.244		
AE	1.375	1.395		1.388	1.395	1.391	1.389		
AF	0.115	0.135		.135	.135	. 135	./35		
AG	0.240	0.280		.260	.240	260	.266		
AH	0.240	0.260		1.242	.244	.247	.246		
Al	2.000	2.020		2.000	2.006	2,002	2.001		
AJ	0.023	0.043	144	,033	· <i>6</i> 33	,033	.033		
		ept/Reje	ct	10	. 1				

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Date:	08/02/16	, ,	Date:	OF OF IS	A.

Rev	Date	Change	Revised by	Approved
Α		New Issue	RF	
В	02.09.24	Re-format; Added Rev. D	KJ	
Ċ	02.10.11	Re-format; Added DT8682, DT8683, DT8684	KJ	100
D	05.05.05	Added dimension Al	KJ/RF	1
E	05.12.05	Added dimension AJ / /	KJ/JLM 🚓	4/1

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DART AEROSPACE LTD	Work Order:	39806
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Description: Saddle, Fwd Outboard	Part Number:	D2571
Inspection Dwg: D2571 Rev. E		Page 1 of 1

•				Re	corded Actu	ual Dimensi	ons		
Dim	Min	Max	Go/No Go Gauge	1	2	3	4	Ву	Date
Α	0.438	0.443		440	440	.440	.440		
В	1.745	1.755		1,750	1750	14750	11.750_		
С	3.495	3.505	·	3 500	3,500	3.500	3.500		
D	1.745	1.755		1.750	1.750	1.750	1.750		
E	7.990	8.010		8.000	3,000	8.000	8.000		
F	0.490	0.510		.503	505	. 505	-504		* **
G	0.257	0.262		. 378	,259 .378	.259	259		
Н	0.375	0.380		378	.378	,378	1.378		
1	0.490	0.510		.500	. 499	1.500	1500		
J	1.174	1.184		1.177	1.179	1.179	1.179		
K	0.558	0.578		.546	.565	.566	.568		
L	1.174	1.184		1.177	1.179	1.179	1,179		
М	1.490	1.500		1.405	1.494	1.495	1.494		
N	2.495	2.505		2.500	2.500	2.505	2.499		
0	3.869	3.879		3.871	3,874	2.872	3.873		
P	0.115	0.135		129'	129	,128	1129		
Q	0.115	0.135		.135	1135	135	139		
R	0.240	0.260		-248	.249	.257	249		
S	0.115	0.135		1,122	2.960	,129	128		
T	0.178	0.198		. 188	. /88	188	.188		
U	2.940	2.980		2.966	2.960	2.960	2.966		
V	0.230	0.250		.239	1-02-36	.237	.237		
W	0.115	0.135		126	122	127	128		
X	0.308	0.313		309	308	.309	309		
Y	0.760	0.765		.760	.740	.766	761		
Z	0.352	0.372		.364	364	.364	-362		
AA	0.470	0.530		.500	.500	500	.500		
AB	0.615	0.635		.634	.628	.626	.628		
AC	0.053	0.073		-063	.063	.063	-063		
AD	0.240	0.260		.245	1-390	1.388	.297		
ΑE	1.375	1.395		1.390	1.390	1.388	1.389		
AF	0.115	0.135		-/35	. 135	. 135	135		
AG	0.240	0.280		260	.260	.260	.260		
AH	0.240	0.260		1.245	.246	.248	. 249		
Al	2.000	2.020		2.001	2,001	2,000	2.000		
AJ	0.023	0.043		1033	.633	,033	.633		
	Acc	ept/Reje	ct						

Measured by:	and	Audited by	8, ,
Date:	08/07/11	Date:	08(0)(15

Rev	Date	Change	Revised by	Approved
Α		New Issue	RF	
В	02.09.24	Re-format; Added Rev. D	KJ	
С	02.10.11	Re-format; Added DT8682, DT8683, DT8684	KJ	
D	05.05.05	Added dimension Al	KJ/RF	1
Е	05.12.05	Added dimension AJ	KJ/JLM	4/1



DART AEROSPACE LTD	Work Order:	39806
Description: Saddle, Fwd Outboard	Part Number:	D2571
Inspection Dwg: D2571 Rev. E		Page 1 of 1

				Red	Recorded Actual Dimensions				
Dim	Min	Max	Go/No Go Gauge	1	2	3	4	Ву	Date
Α	0.438	0.443		.440					
В	1.745	1.755		1.750					
С	3.495	3.505		3.500					
· D	1.745	1.755		1,750					
E	7.990	8.010		8.000					· ·
F	0.490	0.510		.506					
G	0.257	0.262		.259					
Н	0.375	0.380	*	.378					
T	0.490	0.510		500					
J	1.174	1.184		1.179	-				
K	0.558	0.578		.566					
L	1.174	1.184		1.170					
М	1.490	1.500		1.495					
N	2.495	2.505		2.600					
0	3.869	3.879		3,872				12-	
Р	0.115	0.135		136					
Q	0.115	0.135		.135					
R	0.240	0.260	•	250					
S	0.115	0.135		1.730					
Т	0.178	0.198	-1	, 188					
U	2.940	2.980		2.960					
V	0.230	0.250		236					
W	,0.115	0.135		128					
Χ	0.308	0.313		309					
Y	0.760	0.765		1.766					
Z	0.352	0.372		.363					
AA	0.470	0.530		.500					_
AB	0.615	0.635	,	- 628					,
AC	0.053	0.073		.063	/				
AD	0.240	0.260		.243					_
AE	1.375	1.395		1.31					
AF .	0.115	0.135		135					
AG	0.240	0.280		2/26	/				
AH	0.240	0.260		. 246					
Al	2.000	2.020	Ĵ		<del>v</del>				
AJ	0.023	0.043		.033					
		ept/Reje	ct						

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Date: O	8/02/15	Date:	08/07/15	

Rev	Date	Change	Revised by	Approved
Α		New Issue	RF	
В	02.09.24	Re-format; Added Rev. D	KJ	
С	02.10.11	Re-format; Added DT8682, DT8683, DT8684	KJ	- 1
D	05.05.05	Added dimension Al	KJ/RF	-1
E	05.12.05	Added dimension AJ	KJ/JLM 🚓	911

# Dart Aerospace Ltd

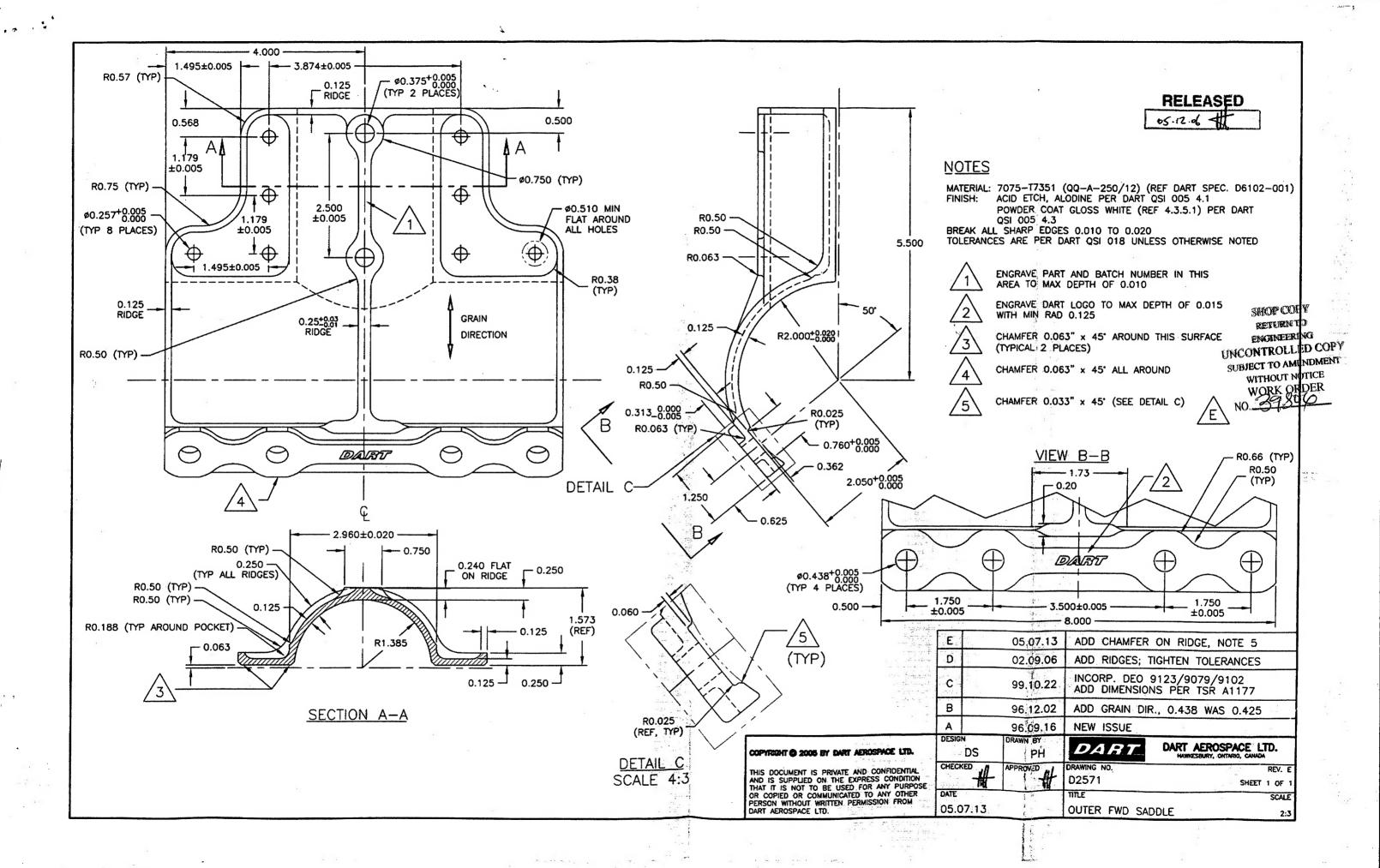
W/O:		WORK ORDER CH	HANGES				
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _	PAR #:	Fault Category:	NCR: Yes No DQA:	Date:
			QA: N/C Closed:	Date:

٠,	NCR:	WORK ORDER NON-CONFORMANCE (NCR)								
			Description of NC				Verification	Annead	Ammerical	
	DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspector	
1	J							,		
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NOTE: Date & initial all entries

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